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Cell Physiology**

**American Journal of Physiology:
Endocrinology, Metabolism and Gastrointestinal Physiology**

**American Journal of Physiology:
Heart and Circulatory Physiology**

**American Journal of Physiology:
Regulatory, Integrative and Comparative Physiology**

**American Journal of Physiology:
Renal, Fluid and Electrolyte Physiology**

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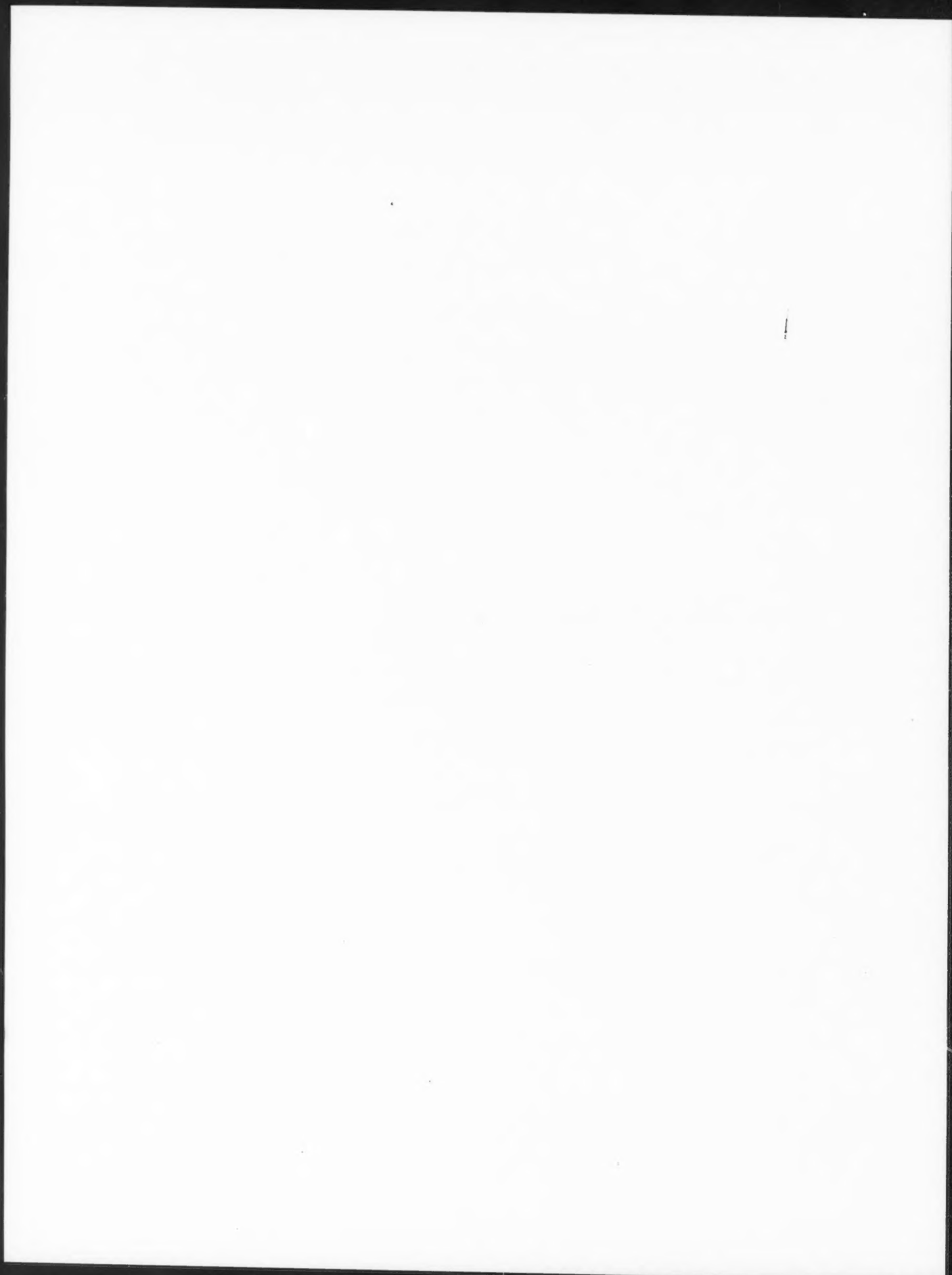
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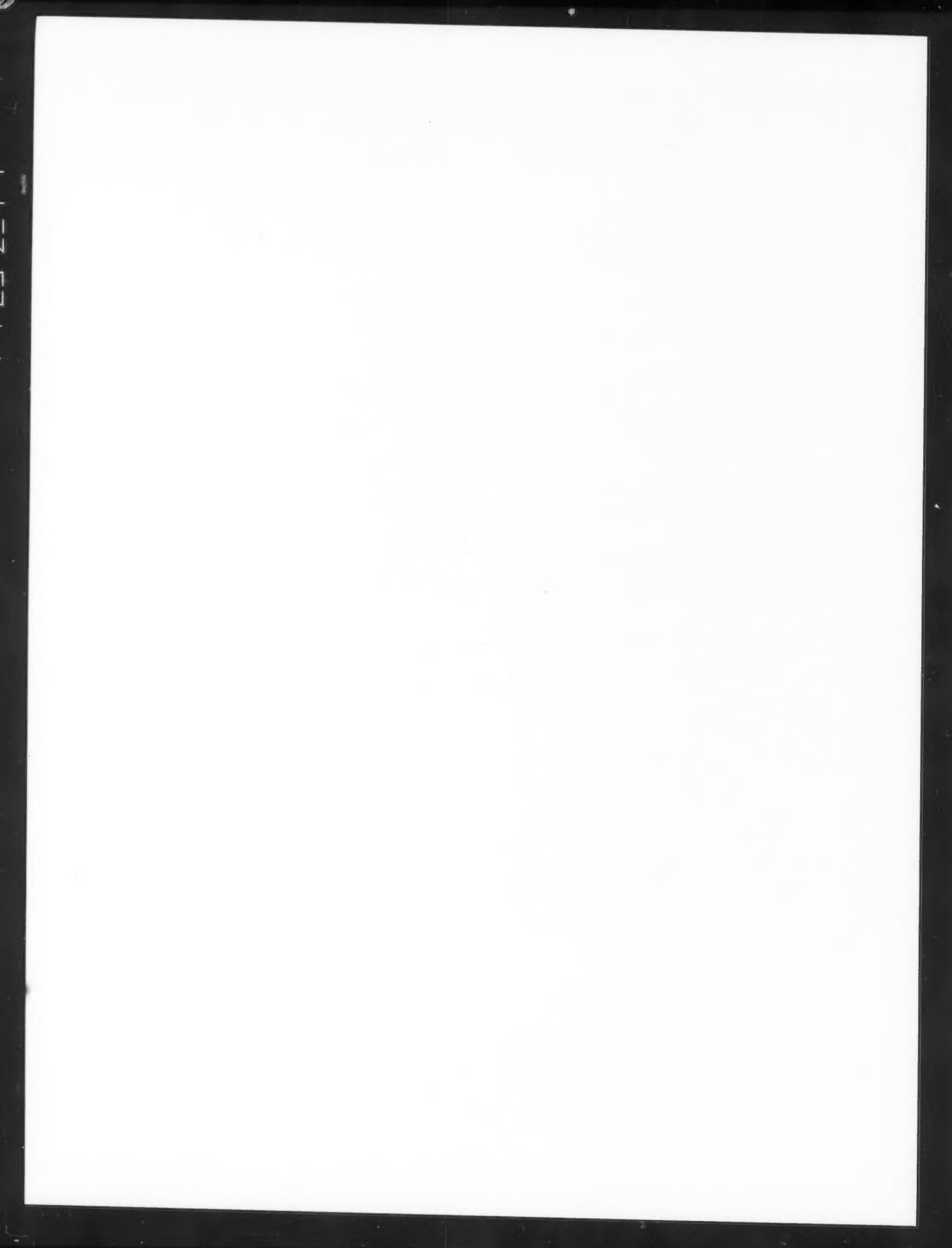
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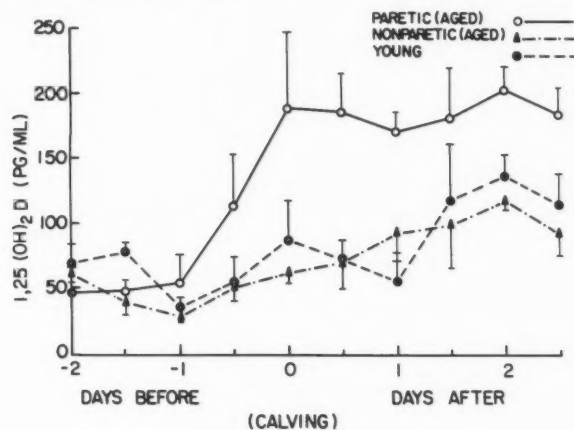
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Page E634: R. L. Horst, N. A. Jorgensen, and H. F. DeLuca. "Plasma 1,25-dihydroxyvitamin D and parathyroid hormone levels in paretic dairy cows."

Page E636: substitute correct Fig. 6.



Page E648: E. L. Forker and B. Luxon. "Hepatic transport kinetics and plasma disappearance curves: distributed modeling versus conventional approach."

APPENDIX

Page E658, column 1, equation 1A, v_i should not be italicized.

Equation 1E should read

$$\frac{dR}{dt} V_r = k_4 V_p P - k_5 V_r R$$

Page E658, column 2, lines 5 and 6, the functions should be subscripted

$$\bar{u}_i(x, s) \quad \bar{z}_i(x, s) \quad u_i(x, t) \quad z_i(x, t)$$

Equation 8, second line of the denominator, change f_1 to f_i .

Sentence after equation 9 change live to liver cells.

Equation 12, numerator, should read

$$\bar{P} V_u \gamma k_1 \sum_{i=1}^n \alpha_i [1 - \exp - H_i(s)] / H_i(s)$$

Page E659, column 1, second line from top, should read

$$\beta_1 \exp(\phi_1 t) + \beta_2 \exp(\phi_2 t)$$

Equation 17, the index for summation is i .

Figure 8, top equation, should read

$$q(s) = 1 + \tau_p s - \exp - \left[[\tau_d + \tau_u(1 + \gamma)]s + \tau_u \gamma k_1 \frac{s + k_3}{s + k_2 + k_3} \right]$$

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Page H523: T. R. Fenton, J. M. Cherry, and G. A. Klassen. "Transmural myocardial deformation in the canine left ventricular wall." *Page H527:* in Figure 8, orientations of epi and endo axes should be interchanged. *Page H528:* in discussion at top left of page, results do not contradict results of Ingels et al. (22); they are reasonably comparable. *Page H528:* in Figure 9, orientations of epi and endo axes should be interchanged.

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Page H108: A. P. Rocchini and A. C. Barger. "Renin release with carotid occlusion in the conscious dog: role of renal arterial pressure." *Page H110:* the second line of the addendum should read carotid sinus hypotension.

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Page H340: James W. Mimbs, Matthew O'Donnell, James G. Miller, and Burton E. Sobel. "Changes in ultrasonic attenuation indicative of early myocardial ischemic injury." Reprint requests should be addressed to J. W. Mimbs, Cardiovascular Division, Washington University, St. Louis, MO 63110.

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Page R162: J. D. Glass and L. C. H. Wang. "Effects of central injection of biogenic amines during arousal from hibernation." Pages R164 and R165: in RESULTS and Fig. 1 the unit for measurements of HP and HL should read cal/wt^{0.75} per 5 min.

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CORRIGENDA

Volume 234, April 1978

Volume 3, April 1978

Page F297: O. A. Candia and H. F. Schoen. "Selective effects of bumetanide on chloride transport in bullfrog cornea." The values for oxygen consumption (means \pm SE) as given in the abstract and in Table 4 are 100 times larger than the correct values. In the abstract, line 6 from the bottom should read "from 3.52 ± 0.14 to $2.97 \pm 0.19 \mu\text{l/h}\cdot\text{cm}^2$." Table 4 (page F300) should be

	Control	Treated
NaCl	4.82 ± 0.34	4.96 ± 0.31
	3.52 ± 0.13	2.98 ± 0.19
Na ₂ SO ₄	3.39 ± 0.17	3.64 ± 0.21
	3.15 ± 0.15	3.51 ± 0.16

Volume 235, December 1978

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Page F586: M. K. Sahib, J. H. Schwartz, and J. S. Handler. "Inhibition of toad urinary bladder sodium transport by carbamylcholine: possible role of cyclic GMP." In Table 3 (page F589) the values 11.9 ± 0.6 for cAMP and 0.28 ± 0.02 for cGMP should be opposite 10 mU/ml AVP plus 100 μM carbamylcholine. Braces have been added to the table to define the paired experiments. The corrected table follows.

TABLE 3. Effect of vasopressin and carbamylcholine on SCC and epithelial cell content of cyclic nucleotides

Addition	SCC, $\mu\text{A}/8\text{ cm}^2$	cAMP, pmol/mg protein	cGMP, pmol/mg protein
None	140 ± 12	6.20 ± 0.57	0.14 ± 0.01
10 mU/ml AVP	210 ± 22	12.7 ± 0.9	0.16 ± 0.01
10 mU/ml AVP	220 ± 19	11.9 ± 0.6	0.28 ± 0.02
10 mU/ml AVP plus 100 μM carbamylcholine	188 ± 17		
None	152 ± 12		
100 μM carbamyl- choline	47 ± 6	6.7 ± 0.5	0.29 ± 0.03

Short-circuit current values are those 10 min after the addition of agent(s). Vasopressin (AVP) was added 10 min and carbamylcholine was added two min before cells were collected for measurement of cyclic nucleotides. $n = 5$. * $P < 0.05$.

Volume 236, February 1979

Volume 5, February 1979

Page F131: I. Ichikawa and B. M. Brenner. "Local intrarenal vasoconstrictor-vasodilator interactions in mild partial ureteral obstruction." In Tables 1 and 2 (page F135) and Table 5 (page F138) the overbar for mean femoral arterial pressure, $\overline{\text{AP}}$, and for mean glomerular transcapillary hydraulic pressure difference, $\overline{\Delta\text{P}}$, was inadvertently lost in the printing process. Tables 1 and 2: column 3 heading should be $\overline{\text{AP}}$, mmHg; column 6 heading should be $\overline{\Delta\text{P}}$, mmHg; column 11 heading should be $\Pi_{\text{E}}/\overline{\Delta\text{P}}$. Table 5: column 11 heading should be $\Pi_{\text{E}}/\overline{\Delta\text{P}}$.

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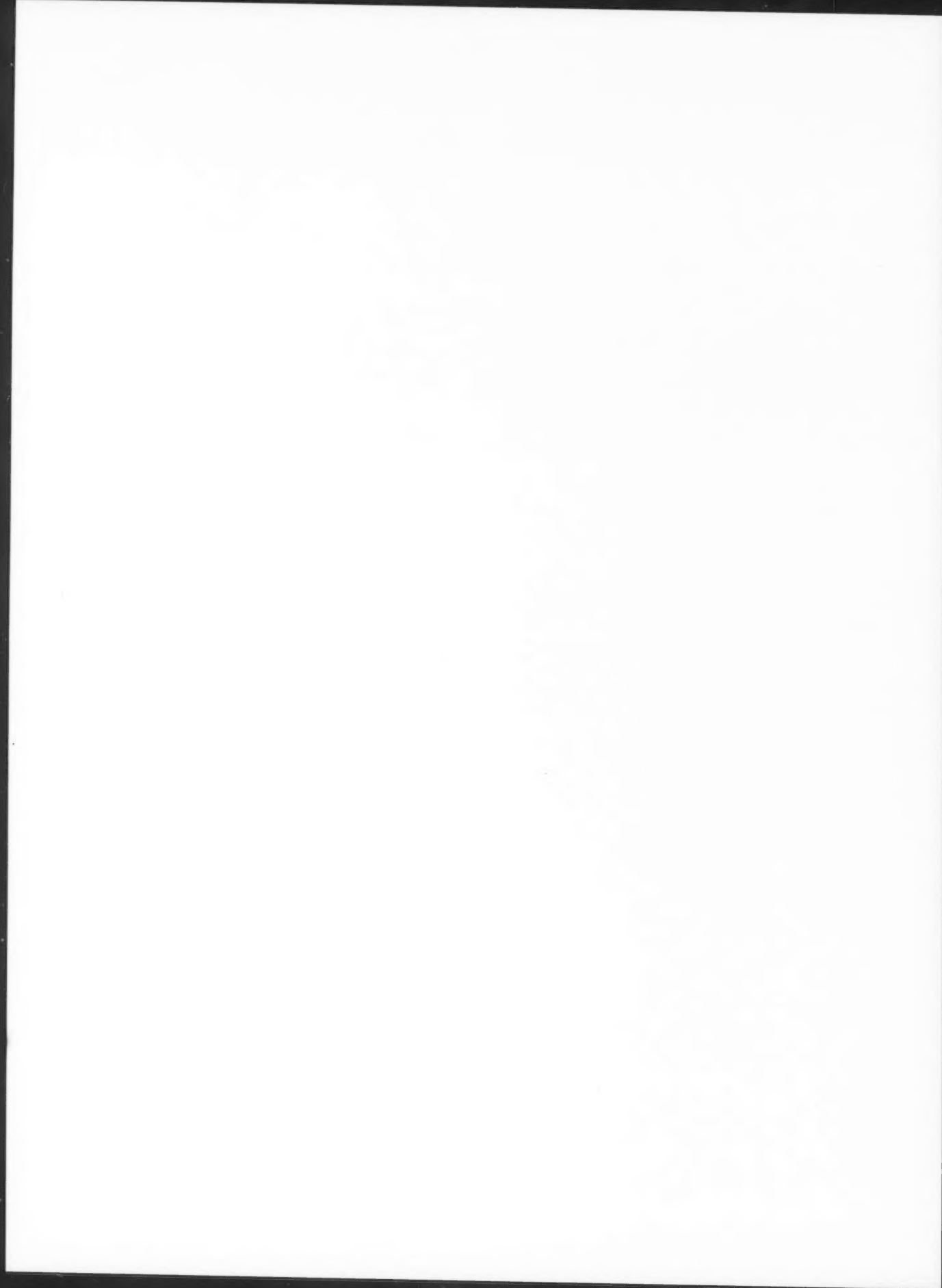
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CORRIGENDA

Volume 237, July 1979
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Page E6: G. Scalabrino, M. E. Ferioli, M. Basagni, R. Nebuloni, and F. Fraschini.
"Endocrine regulation of thymic biosynthetic polyamine decarboxylases in adult
rat." Page E8: substitute corrected Table 3.

TABLE 3. *Effect of several hormones on thymic
ODC and SAMD activities of rats without
some endocrine glands*

Rats	Treatment	Dose, per 100 g body wt	Time of Analysis, h	ODC Activ- ity, U	SAMD Activ- ity, U
PLX	Solvent	0.5 ml	4	1.3 ±0.18 (6)	11.2 ±0.95 (6)
PLX	Melatonin	2.0 mg	4	1.4 ±0.20 (6)	10.6 ±1.03 (6)
Intact				3.5 ±0.22 (9)	13.0 ±1.55 (9)
AdreX				15.5 ±1.21 (8)*	28.7 ±2.00 (8)†
HypoX-AdreX	Solvent	0.5 ml	4	13.4 ±1.07 (8)	25.1 ±1.71 (8)
HypoX-AdreX	Cortisol	3.0 mg	4	2.6 ±0.22 (5)‡	13.2 ±1.31 (5)‡
HypoX-AdreX	Corticosterone	3.0 mg	4	2.5 ±0.21 (5)‡	13.6 ±1.50 (5)§
HypoX-AdreX	Aldosterone	150 µg	3	14.0 ±1.33 (5)	26.5 ±2.11 (5)
HypoX-AdreX	ACTH	12 IU	4	13.2 ±1.28 (5)	25.6 ±1.80 (5)

Values are means ± SE with the numbers of animals given in parentheses. ODC, L-ornithine decarboxylase; SAMD, S-adenosyl-L-methionine decarboxylase; PLX, 6-wk pinealectomized animals; AdreX, adrenalectomized animals; Hypox-AdreX, hypophysectomized-adrenalectomized animals. The total dose of melatonin was administered subcutaneously in 3 aliquots (at time 0, 90, and 180 min) in a volume of 0.3 ml for each injection. The controls were given the same volume of solvent. Other hormones were administered intraperitoneally in a single injection. The statistical significance of the differences between the means in PLX or between intact and AdreX rats was evaluated by Student's *t* test. In HypoX-AdreX rats the statistical significance of the experimental data was evaluated by Dunnett's test for comparing several treatments with a single control (6). **P* < 0.001. †*P* < 0.01. ‡*P* < 0.02. §*P* < 0.05.

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Volume 236, May 1979
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Page H705: Carl R. Honig. "Contributions of nerves and metabolites to exercise vasodilation: a unifying hypothesis." Pages H716 and H717: Figs. 12 and 13 should be interchanged.

Volume 236, June 1979
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Page H833: Duane H. Foley, Wayne L. Miller, Rafael Rubio, and Robert M. Berne. "Transmural distribution of myocardial adenosine content during coronary constriction." Page H833: in line 16 of the abstract the value for adenosine content of the inner segment should be 0.041 ± 0.007 . Page H836: the last sentence of the first paragraph should be: There was also a higher level of creatine phosphate in the outer segment than in the middle segment during coronary artery constriction, but this difference was not statistically significant.

Volume 237, July 1979
Volume 6, July 1979

Page H76: John H. Newman, Joseph F. Souhrada, John T. Reeves, Carlos M. Arroyave, and Robert F. Grover. "Postnatal changes in response of canine neonatal pulmonary arteries to histamine." Page H79: the legend presently listed with Fig. 5 belongs to Fig. 6. Page H80: the legend presently listed with Fig. 6 belongs to Fig. 7, and the legend presently listed with Fig. 7 belongs to Fig. 5.

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Page F638: S. R. Thomas and D. C. Mikulecky. "A network thermodynamic model of salt and water flow across the kidney proximal tubule." *Page F640:* In equation 4, $(c_1^2 - 2c_1c_2 + c_2^2)$ should be $(c_2^2 - c_1^2)/2$. *Page 646:* In the program listing of Fig. 4 the line 00320 RJS3 1 6 2.457E4 should read instead 00320 RJS3 11 16 2.457E4.

